AMENDMENTS TO THE CLAIMS

Please replace the claims, including all prior versions, with the listing of claims below.

Listing of Claims:

1. (Original) Method for transmission of traffic streams (1,2,3) over a common transmission channel (7), of which the (1,2,3) data (A - E) comes into a buffer (4, 5, 6) connected upstream of the transmission channel (7),
where, for the transmission of packets (A -E) of a particular traffic stream (1) over the transmission channel (7) a guaranteed bandwidth (B_{G1}) is defined, with is the minimum bandwidth used to transmit packets of this traffic stream over the transmission channel,
where, for the transmission of packets (A - E) of a particular traffic stream (1) over the transmission channel (7) a maximum bandwidth (B_{1max}) is defined with which the packets (A - E) of this traffic stream (1) will be transmitted over the transmission channel (7), where packets (D E) of a traffic stream (1) which come into a buffer (4) with a transmission rate lying below the guaranteed bandwidth (B_{G1}) for this traffic stream (1) in the common transmission channel (7), are timed for transmission over the channel (7) before those packets (ABC) of this traffic stream which come into the buffer (4) with a transmission rate lying above the guaranteed bandwidth (amber, red),
where packets (ABC) of a traffic stream (1) which come into a buffer (4) with a transmission rate lying below the maximum bandwidth (B_{1max}) for this traffic stream (1) in the transmission channel (7) are times for transmission over the transmission channel (7) before the packets (C) of the traffic stream (1) which have arrived in the buffer (4) with a transmission rate lying above the maximum bandwidth (B_{1max}) of the traffic channel in the transmission channel (7) (red).

Claim 2. (Original) Method in accordance with Claim 1, characterized in that, if the transmission channel (7) is already occupied by a number of traffic streams, each with a guaranteed bandwidth, a further traffic stream for transmission over the common transmission channel will only be allowed if the sum of the guaranteed bandwidths and the requested bandwidth of the new traffic stream is a maximum of equal to the product of a prespecified quality constant with which the overall traffic channel bandwidth available to the transmission channel.

Claim 3. (Currently Amended) Method in accordance with ~~one of the previous claims,~~ claim 1, characterized in that, the constant is equal to one .

Claim 4. (Currently Amended) Method in accordance with ~~one of the previous claims,~~ claim 1, characterized in that the constant is greater than one.

Claim 5. (Currently Amended) Method in accordance with ~~one of the previous claims,~~ claim 1, characterized in that, the constant is less than one.

Claim 6. (Currently Amended) Method in accordance with ~~one of the previous claims,~~ claim 1, characterized in that the traffic channel (1) is a mobile radio channel for payload data.

Claim 7. (Currently Amended) Method in accordance with ~~one of the previous claims,~~ claim 1, characterized in that the traffic channel passes through a GATEWAY, especially a UMTS GATEWAY.

Claim 8. (Currently Amended) Method in accordance with ~~one of the previous claims,~~ claim 1, characterized in that, the timing priority of a packet (D) to be transmitted over the common transmission channel before other packets (ABC) is stored in the packet (D), especially in a header of the packet.

Claim 9. (Currently Amended) Method in accordance with ~~one of the previous claims,~~ claim 1, characterized in that more than 1000 traffic channels run over the transmission channel.

Claim 10. (Currently Amended) Device for executing the method in accordance with ~~one of the previous claims~~ claim 1.